

Title (en)

METHOD OF REGENERATING HYDROGENATION CATALYST AND DIOLEFIN PURIFICATION PLANT

Title (de)

VERFAHREN ZUR REGENERIERUNG VON HYDROGENIERUNGSKATALYSATOR UND DIOLEFINAUFREINIGUNGSANLAGE

Title (fr)

PROCEDE DE REGENERATION DE CATALYSEUR D'HYDROGENATION ET INSTALLATION DE PURIFICATION DE DIOLEFINES

Publication

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Application

**EP 05703740 A 20050117**

Priority

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Abstract (en)

The invention aims to provide a method for regenerating a hydrogenation catalyst without using alkanes and a diolefin purification plant comprising an equipment which is used in this method and is simpler than ever. The first method comprises a contact step of contacting a composition for regeneration containing 50% by mass or more of an olefin having the carbon number of from 4 to 8 with the hydrogenation catalyst. The hydrogenation catalyst can be a hydrogenation catalyst used in hydrogenation of an acetylenic compound contained in a starting composition containing at least one diolefin having the carbon number of from 4 to 8. The second method comprises a contact step of contacting, with a hydrogenation catalyst, a raffinate obtained by separating, from a starting composition containing at least one diolefin having the carbon number of from 4 to 8, the diolefin. The hydrogenation catalyst can be a hydrogenation catalyst used in hydrogenation of the acetylenic compound contained in the starting composition. The plant comprises a hydrogenation catalyst regeneration equipment (1) conducting the regeneration method.

IPC 8 full level

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